

1924

University of Vermont, College of Medicine Bulletin

University of Vermont

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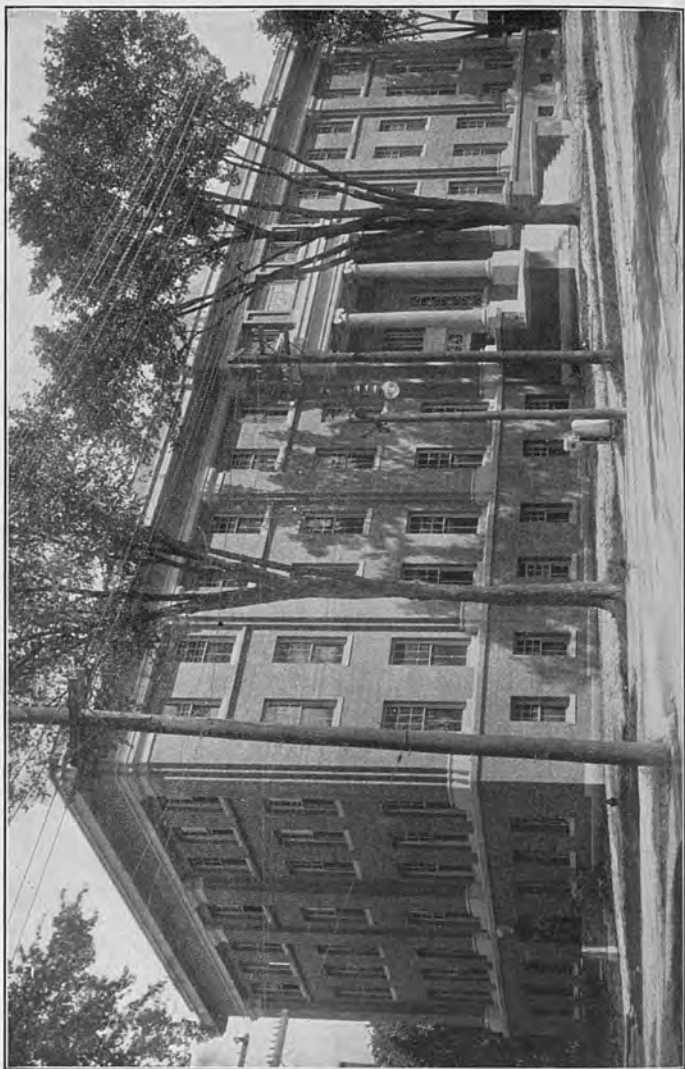
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THE COLLEGE OF MEDICINE BUILDING

VOLUME XXI

NUMBER 5

THE VERMONT BULLETIN
FEBRUARY, 1924

Entered as second-class matter at the Post Office at Burlington, Vermont under the Act of Congress of July 16, 1894.

The University of Vermont
and
State Agricultural College



The College of Medicine Number

Published by the University of Vermont and State Agricultural College, Burlington, Vermont, eight times a year; in October, November, December, January, February, March, April and May, and entered as second-class matter June 6, 1907, under Act of Congress of July 16, 1894.

CALENDAR

1924-1925

1924

Examinations for Advancement in Course and for

Advanced Standing.....September 14, 15, and 17
Opening Address.....Thursday, September 18, 10.00 a. m.
Regular Exercises begin.....Friday, September 19
Registration ends.....Saturday, October 4
Thanksgiving Recess, Wednesday, November 26, 10.20 a. m., to Friday,
November 28, 2.00 p. m.
Christmas Recess, Saturday, December 20, 1924, 7.30 a. m., to Saturday,
January 3, 1925, 7.30 a. m.

1925

Class work resumed.....Saturday, January 3, 8.00 a. m.
Mid-year Examinations, Monday, January 26, to Saturday, January 31
Enrollment for Second Semester.....Saturday, January 31
Second Semester begins.....Monday, February 2, 7.30 a. m.
Easter Recess.....Friday, April 3, 7.30 a. m., to Wednesday, April
15, 7.30 a. m.
Final Examinations.....Thursday, June 11, to Thursday, June 18
Events of Commencement Week, Friday, June 19, to Monday, June 22

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COLLEGE OF MEDICINE

5

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Obstetrician to the Home for Friendless Women;

Attending Surgeon to the Mary Fletcher Hospital;

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U. S. A., 40 E. 41st St., New York City,

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93 Buell St.,

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19 Kingsland Terrace,

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288 Main St.,

Professor of Surgery and Instructor in Clinical Surgery;

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EDGAR ORRIN CROSSMAN, M. D.,

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THE UNIVERSITY OF VERMONT

CHARLES KIMBALL JOHNSON, M. D.,

311 S. Union St.,

Professor of Pediatrics and Instructor in Clinical Medicine;

Attending Physician to the Home for Destitute Children;

Pediatrist to the Mary Fletcher Hospital.

EDMUND CURTIS MOWER, A. M., LL.B.

204 S. Willard St.,

Professor of Medical Jurisprudence.

ARTHUR OSMAN DAVIS, M. D.,

20 Latham Court,

Major Medical Corps, U. S. A.;

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OLIVER NEWELL EASTMAN, M. D.,

163 S. Union St.,

Associate Professor of Obstetrics;

Assistant Obstetrician to the Mary Fletcher Hospital;

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FREDERICK ELLSWORTH CLARK, M. D.,

88 College St.,

Associate Professor of and Laboratory Instructor in Pathology.

HOVEY JORDAN, Ph. B., M. S.,

350 S. Prospect St.,

Assistant Professor of Biology, Histology and Embryology.

HARRY CADWALLADER FORTNER, A. M.,

343 S. Prospect St.,

Assistant Professor of Histology and Biology.

HAROLD FRANKLIN TAYLOR, B. S., M. D.,

255 Pearl St.,

Assistant Professor of Medicine and Instructor in Clinical Medicine.

ROBERT LELAND MAYNARD, M. D.,

289 College St.,

Assistant Professor of Orthopedic Surgery;

Roentgenologist to the Fanny Allen Hospital;

Assistant Surgeon to the Mary Fletcher Hospital.

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JAMES CHARLES O'NEIL, B. S., M. D.,
Waterbury, Vt.,
Assistant Professor of Mental Diseases;
Assistant Physician, Vermont State Hospital for the Insane.

CLIFFORD ATHERTON PEASE, M. D.,
301 College St.,
Instructor in Clinical Surgery;
Attending Surgeon to the Mary Fletcher Hospital;
Attending Surgeon to the Fanny Allen Hospital.

JOHN HAZEN DODDS, M. D.,
59 S. Winooski Ave.,
Assistant in Clinical Surgery;
Instructor in Anesthetization;
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GEORGE MILLAR SABIN, B. S., M. D.,
244 Main St.,
Instructor in Gynecology;
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Attending Physician to the Mary Fletcher Hospital;
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EMMUS GEORGE TWITCHELLL, A. B., M. D.,
58 S. Willard St.,
Instructor in Diseases of the Eye, Ear, Nose and Throat.

BENJAMIN DYER ADAMS, M. D.,
256 Pearl St.,
Instructor in Surgery and Clinical Surgery and Director Free Dispensary;
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CHARLES PERKINS MOAT, B. S.,
487 S. Willard St.,
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267 Pearl St.,

Instructor in Radiography and Genito-Urinary Diseases;
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10 Isham St.,

Instructor in Venereal Diseases;
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Third Assistant Genito-Urinary Surgeon, Mary Fletcher Hospital.

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98 Hungerford St.,

Dispensary Instructor in Dermatology;
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36 Clarke St.,

Instructor in Obstetrics and Gynecology;
Second Assistant Obstetrician, Mary Fletcher Hospital.

DAVID MARSH BOSWORTH, A. B., M. D.,

326 College St.,

Instructor in Anatomy;
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Pittsford, Vt.

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LOUIS PEASE HASTINGS, B. S., M. D.,
114 Loomis St.,
Instructor in Pathology and Bacteriology.

ELMER WATERS PIKE, M. D.,
185 Pearl St.,
Assistant Director Free Dispensary;
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37 Elmwood Ave.,
Instructor in Clinical Pathology;
Assistant Gynecologist to the Mary Fletcher Hospital.

JOHN BOLDOSSER,
26 Germain St.,
Technician in Pathology and Histology.

ADMINISTRATION

The University of Vermont consists of four colleges, viz.: The College of Arts and Sciences, The College of Engineering, The College of Agriculture and The College of Medicine. The College of Medicine is a member of the Association of American Medical Colleges and is rated as a Class A institution by the American Medical Association. The excellent record of the graduates of this college and the high standing of the institution is, in large measure, the result of the intensive instruction given in small sections in lecture, laboratory and clinic. The moderate tuition fee makes it possible for a student of limited means to prepare for the medical profession.

Students who have not received the academic training necessary for admission to the College of Medicine are referred to the Catalogue of the University which gives a full description of the curricula in the College of Arts and Sciences serving this purpose.

Inquiries as to admission to the University, requests for catalogues and bulletins, and information concerning the alumni should be addressed to the Comptroller.

Requests for information and correspondence of a general character concerning the work of the institution as a whole, or its relation to its constituency, should be addressed to the President.

All telephones are listed under "The University of Vermont." Strangers unfamiliar with the institution and desiring information concerning the University may secure the same during office hours by calling either telephone number 899 or 140.

HISTORY

The College of Medicine of the University of Vermont is one of the oldest institutions of its kind in the United States. A lecturer on Chirurgery and Anatomy was appointed by the Trustees of the University Corporation on August 13, 1804. The first full and regular course of lectures, however, was not given until the fall of 1822. In 1826 a Medical College building was erected at the south end of the campus. In 1836 the College was abandoned because of the death of some of its leading spirits and for lack of

students. There had been graduated up to that time one hundred and sixteen men.

The reorganization and successful re-establishment of this school were due chiefly to the efforts of Dr. S. W. Thayer then a practitioner at Northfield. His efforts date back to 1840 and finally were successful in 1853. Dr. Levi W. Bliss of Bradford was also active in securing the reopening of the College. The prosperity of the newly organized department in 1854 soon became manifest, and a material enlargement of the old Medical College building, at the head of Main street, was demanded. A sum was raised and the necessary improvements made. In 1870 the citizens of Burlington contributed an additional sum of two thousand five hundred dollars further to enlarge the building by the addition of a wing and to increase the seating capacity of the two lecture rooms. In 1884 the late John P. Howard generously gave a commodious building at the head of Pearl street which was occupied first in 1885.

Until 1899 the relation of the College to the University was chiefly nominal. It was then reorganized and made a co-ordinate department of the University under the control of the Board of Trustees, and its facilities both for teaching and study were increased materially. New rooms and improved apparatus were added and additional instructors secured. In 1903 the course was lengthened to seven months and in 1907 to seven and one-half months, giving thirty weeks of actual instruction. In December, 1903, the building which had been occupied by the College for twenty years was destroyed by fire. A new building was begun in August, 1904, and was dedicated in June, 1905.

In 1911 the faculty of the College of Medicine was reorganized and the department made an integral part of the University system. With the opening of the college year of 1912 the entrance requirements were raised to one year of collegiate work and the college year was made equal in length to that of the academic colleges. Beginning in September, 1917, a regulation went into force, providing that two full years of academic College work should be required for admission. So far as can be foreseen the requirements will not be raised above this standard. In 1920 women were admitted to the College of Medicine.

THE COLLEGE OF MEDICINE BUILDING

The College of Medicine building, located at the north end of the College Green, is a capacious and substantial structure, one hundred seventy feet long, seventy-five feet wide and three stories high. It is built of red brick with gray terra-cotta trimmings and is fire-proof.

This is a modern building, well equipped for teaching all branches of medical science, and includes up-to-date facilities for laboratory work. The Medical Library, a division of the University Library and the Pathological and Anatomical Museums and administrative office of the University are in this building.

CLINICAL FACILITIES AND TEACHING

Burlington and the adjoining city, Winooski, have a population of thirty thousand, or more, and Burlington is the hospital center for an area having a very much larger population.

HOSPITALS

There are approximately two hundred beds in the Mary Fletcher and Fanny Allen Hospitals. The former institution adjoins the University campus. The relation existing between this hospital and the College of Medicine always has been very friendly, many of the teaching staff being attending physicians or surgeons at the hospital. The latter hospital is located approximately two miles from the college buildings, but being on a trolley line is easy of access. The relations with this hospital also are cordial and several members of its staff are members of the College of Medicine Faculty. By definite arrangements with these hospitals one hundred and forty beds are available for clinical teaching. The members of the Senior class are in daily attendance at these hospitals.

A new building, part of the Mary Fletcher Hospital plant, is devoted entirely to clinical work, and furnishes well-equipped rooms both for amphitheatre clinics and teaching to small sections of the class.

The Bishop Louis De Goesbriand Hospital, directly opposite the College of Medicine building is nearing completion and probably will be completed before College opens next fall. It will furnish an important

addition to the clinical facilities of this institution, will have one hundred beds and will be modern in every detail.

FREE DISPENSARIES

The free dispensaries, located at the Mary Fletcher Hospital and at No. 110 Pearl Street, have well-equipped rooms for the convenient administration of dispensary service. The work is organized thoroughly, and is under the direct supervision of the professors. More than ten thousand visits were made in 1923. All patients in the dispensaries are available for clinical teaching. These departments are open two hours each week day throughout the year, and furnish a great variety of diseases for clinical study. The work of the Burlington city physician, the medical charity of the city, has been assigned to these departments. This work provides excellent opportunities for studying cases and caring for patients in their own homes.

MATERNITY SERVICE

There is a free maternity ward at the Mary Fletcher Hospital maintained by the University, and a maternity home in the city is available for clinical work. About one hundred maternity cases are treated at these two institutions each year. These cases provide abundant facilities for the clinical teaching of Obstetrics.

ORPHANAGES

There are two homes for orphans in the city which have an average daily attendance of about three hundred twenty-five children. These institutions are available for the clinical teaching of diseases of children, and furnish a large number of cases of the various diseases incident to childhood.

STATE HOSPITAL

The State Hospital for the Insane is located twenty-five miles from Burlington, and has between seven hundred and eight hundred patients. Sections of the class visit this hospital from time to time during the session, for the study of the various forms of mental disease.

The Vermont Sanatorium for the treatment of tuberculosis furnishes ample opportunity for the study of this disease. Sections of the class visit this institution at intervals during the year.

CLINICAL TEACHING

The department of clinical teaching is under the direct supervision of the Professors of Clinical Medicine and Clinical Surgery, who have an able corps of clinical assistants.

Clinical instruction is organized on the laboratory basis. Small groups of students have definite assignments at stated hours, and are always under the supervision of a clinical instructor.

The work includes daily service in the wards of the hospitals and at the dispensaries, attendance at the daily clinics and daily attendance in the general operating rooms of the hospitals. Students are also assigned to the pathological laboratory of the hospital, where, each morning, the regular pathological examinations for the hospital service are made.

Clinical instruction in mental diseases is given at the State Hospital for the Insane at Waterbury, and in tuberculosis at the Vermont Sanatorium for Tuberculosis at Pittsford.

It is the purpose of the clinical teaching to incorporate, so far as possible, the same general principles of systematic teaching that are used in didactic instruction. The abundance of material for clinical study in the hospitals and dispensaries, in the children's homes and at the State Hospital for the Insane, together with the large number of patients from the outlying country who are daily seeking medical and surgical advice in Burlington, make it possible to do this in a very large measure.

LIBRARY AND MUSEUM

The Library of the College of Medicine contains more than three thousand volumes, and is located on the second floor of the Medical building. From time to time it has received valuable accessions. The State Laboratory of Hygiene offers for the use of the students of the college its very complete list of medical journals and periodicals.

The Stone Memorial Fund, amounting to one thousand dollars, was contributed by the family, associates, friends and students of Dr. Bingham H. Stone, late Professor of Pathology. The income from the

fund is used for the purchase of books or periodicals dealing with Pathology or related subjects. This material, together with Doctor Stone's own books, given by Mrs. Stone, make up the Stone Memorial Library, which is an integral part of the library of the College of Medicine.

The Medical Museum contains a large number of specimens, illustrating both the relation of normal structures to the body and various pathological conditions. A large number of sections of the brain show the internal structure of that organ. These specimens are distributed throughout the laboratories, where they can be made the most useful in teaching various subjects.

LABORATORY FACILITIES

In addition to the well-equipped laboratories of Pathology, Bacteriology, Chemistry, Histology, Pharmacology, Physiology and Anatomy, in the college building, there are available for teaching purposes, the Bacteriological, Diagnostic, Serological, Medico-legal, Food and Water Laboratories of the State Board of Health situated in the Board of Health building adjoining the College of Medicine. This building is the property of and was fitted up by the University. There exists the closest sympathy between the State Board of Health and the University, making the interests of the two institutions one. The President of the State Board of Health is a Trustee of the University; the Secretary and Executive Officer of the Board is Professor of Hygiene in the College; the Director of the Board of Health Laboratory is Professor of Toxicology and Physiological Chemistry in the college; the Sanitary Chemist of the former institution is Instructor in Chemistry in the department of Preventive Medicine; the Instructor in Venereal Diseases of the College of Medicine acts as Serologist at the State Laboratory and the Professor of Sanitary Engineering is Dean of the College of Engineering.

Classes in water and milk analyses are held at the Laboratory of Hygiene; the large amount of material sent from all parts of the State to this laboratory furnishes an abundance of material for student use in Pathology, Bacteriology, Clinical Microscopy and Sanitary Chemistry. Furthermore, the Director of the Board of Health Laboratory is by virtue of that position, State Pathologist, a position equivalent to medical examiner in other States, and performs all autopsies required by the State Department of Justice. Much of this material is available for teaching in Pathology.

FEES AND EXPENSES

Tuition Fee for each session for Vermont students.....	\$200.00
Tuition Fee for students not residents of Vermont.....	300.00
*Athletic Association Fee, annually (men)	20.00
*Athletic Association Fee, annually (women)	15.00
Graduation Fee, payable at graduation only	25.00

	<i>Minimum</i>		<i>Maximum</i>
Room Rent, in Converse Hall	\$100.00	to	\$125.00
Room Rent, in the city	100.00	to	150.00
Board, Commons Hall Cafeteria (estimated)....	150.00	to	250.00
Board, in the city	200.00	to	250.00

Students will be required to deposit with the Comptroller five dollars, from which will be deducted the value of any bones taken from the Museum which are not returned, and any charges for breakage in the laboratories. The remainder of such deposit, or the whole if there be no charge against it, will be returned to the student at the close of the session.

Each student in the College of Medicine and in the courses in the College of Arts preparatory to medicine is required to own a complete compound microscope of modern type and fully equipped in conformity with a fixed standard. The University arranges for the purchase of the microscopes, and the student must be prepared to make full payment for the same before the time of enrolling for the Sophomore year. Microscopes are furnished at cost, usually between \$100 and \$125.

Students must provide microscopical supplies for use in the various laboratories.

Each student must purchase a dissecting case for use in the Anatomical Laboratory.

All supplies may be purchased at the University Store in the Old College building. Medical Text Books are on sale at the Medical Book Store.

All college bills, including tuition, rent of rooms and fees, are payable semi-annually in advance, and no student will be admitted to enrollment at the beginning of a half-year until he presents a certificate from the Comptroller that bills for the half-year have been paid.

*Payable half yearly in advance.

Students temporarily absent from the University are charged as if present. Interest at the rate of six per cent. may be charged upon all bills from the day on which they become due.

No part of the advance payment as above specified will be refunded except in case of illness or other severe calamity compelling the student to leave college for the year. Students who engage a room in a college dormitory are liable for the rental charge for the entire year.

A student who has been dropped into a lower class because of deficiency in his work, or for other reason, will be required to pay his bills for the additional year or years in which he may be a member of the University, and in no case will a scholarship or tuition exemption be available for more than four years.

HONORS, PRIZES AND SCHOLARSHIPS

The five students who are found to have secured the highest aggregate of marks during the entire four years' course of study in the College of Medicine are designated honor men, and each is graduated as Doctor of Medicine, *cum laude*.

The graduate receiving the highest average is given a prize of fifty dollars in gold, and the student receiving the next largest number of credits is given a prize of twenty-five dollars in gold.

The Governor Woodbury Prize.—The Governor Woodbury prize of fifty dollars is awarded upon a basis determined by the Faculty of the College of Medicine to the Senior who has exhibited the greatest proficiency in the practical courses of his class.

Fellowships.—The University Trustees have established two teaching fellowships in clinical medicine to be awarded each year, good for two years, which will be given to some graduate medical students holding academic degrees, who may wish to pursue further their studies in Clinical Medicine with the purpose of obtaining the degree of Master of Science.

Scholarships.—Honor Scholarships to the amount of one hundred dollars are awarded annually by the Board of Trustees, good for one year only, to each young man and woman graduating with the highest averages from Vermont high schools accredited by the State Board of Education. These scholarships are available to premedical students taking the work in the College of Arts and Sciences of the University.

The Braley Scholarship, one hundred dollars annually, was established by Mrs. Nellie Braley of Burlington in memory of her late husband, Dr. Bether W. Braley, of the class of '75, for the benefit of the students in the College of Medicine.

The Soldiers' Scholarship Fund was founded for the benefit of students in any college of the University who are descendants of soldiers in the Civil War. The amount is fifty dollars.

The John Ordranax Scholarships, nine in number, were founded in 1909 for students in the academic and medical colleges. Each scholarship amounts to \$50 per year.

Fifty State Scholarships of one hundred dollars each for the benefit of medical students in this institution needing financial assistance, who have resided in Vermont for two consecutive years preceding enrollment, were established by the State Legislature in 1919. Students receiving such scholarships must agree to practice medicine in Vermont one year for each year this aid is given or refund to the State Treasurer the amount of the scholarship benefit received. Application blanks may be obtained from the Comptroller.

REQUIREMENTS FOR ADMISSION

1. Students will be transferred to the College of Medicine from the College of Arts and Sciences when they have satisfactorily completed one of the Premedical Curricula as given on page 23 of this bulletin.

2. Students who have taken their premedical education in other institutions may be admitted to the College of Medicine provided they present in person a certificate of having satisfactorily completed the minimum course of study outlined by the American Medical Association, and provided the institution issuing the same maintains a satisfactory academic standard.

The minimum requirements of the American Medical Association are as follows: A two-years' Academic course which must total at least 60 semester hours. It must cover laboratory courses in Chemistry, General and Organic (12 semester hours), in Physics (8 semester hours), and in Biology (8 semester hours). English (6 semester hours) is required and the other non-science subjects must total 12 semester hours. It is recommended that the subjects chosen

to complete the 60 semester hours be taken from the following list: A modern language (6-12 hours), advanced Zoology or Botany (3-6 hours), Psychology (3-6 hours) and advanced Mathematics (3-6 hours).

3. Students who have been admitted to other A grade medical colleges without condition may be transferred to this medical college.

No student will be admitted to the College of Medicine who is conditioned in his premedical work.

ADMISSION OF STUDENTS TO ADVANCED STANDING

As enrollment in the College of Medicine is strictly limited admission by transfer can be secured only to vacancies actually existing. Only students of high scholastic standing can be considered. A personal interview is required.

Students desiring advanced standing are subject to the same rules, in regard to advancement in course, as students who have attended this college. No applicant for advanced standing will be enrolled under more favorable conditions than would obtain were he to continue at the institution from which he seeks to transfer.

PREMEDICAL CURRICULA

1. The University of Vermont offers a Two-Year premedical Curriculum outlined below which does not lead to a baccalaureate degree, the student being advanced to the College of Medicine upon the satisfactory completion of this curriculum. It includes the subjects prescribed by the American Medical Association and covers the courses which are deemed most important for the premedical student.

TABLE SHOWING STUDIES OF THE TWO-YEAR PREMEDICAL CURRICULUM

FIRST YEAR	A	B	SECOND YEAR	A	B
English 1	2	2	Physics 1	5	5
French or German	3	3	Chemistry 9	2	2
Chemistry 1	5	5	Chemistry 10	1	1
Mathematics 1	4	4	French or German	3	3
Biology 1	4	4	Cytology & Embryology	4	4
Military Science	2	2	English 2	3	3
Physical Education	1	1	Military Science	2	2
			Physical Education	1	1

2a. It is strongly recommended that students who intend to study Medicine should first complete one of the regular four-year cur-

ricula in the College of Arts and Sciences, taking the courses prescribed by the American Medical Association, (see Requirements for Admission), and those recommended as being especially valuable. For those who find it necessary to shorten their years of preparation the following combination curriculum is provided:

2b. A candidate for a degree in the Classical, Literary-Scientific or General Science curricula of the College of Arts and Sciences may arrange this work so as to complete his Academic and Medical Curricula in seven years, securing his Bachelor's degree upon the satisfactory completion of his first year's work in Medicine. He must enroll as a premedical student not later than the beginning of his Sophomore year and complete the first three years in the College of Arts and Sciences including the work prescribed by the American Medical Association (see Requirements for Admission 2) and arrange his electives so that if he were to complete the work of the fourth year in the College of Arts and Sciences he would fulfil the requirements of the group system of that college. It is important that he take advanced courses in Zoology or Botany, Chemistry, French, German and Mathematics. In his fourth year he will be considered as enrolled both in the College of Arts and Sciences and in the College of Medicine, but will pursue the studies of the first year in medicine only.

ENROLLMENT

Payment of bills, registration and enrollment occur on the first day of the college year. Printed directions may be secured from the Registrar. Registration for each session closes seven days after the opening of college. New students will not be enrolled in the College of Medicine except at the beginning of a session.

REQUIREMENTS FOR ADVANCEMENT IN COURSE

Attendance upon all the exercises assigned for the year is obligatory. Failure to attend 80 per cent. of the exercises of any subject constitutes a failure in that subject.

The work of each year is final and students are advanced when they have satisfactorily completed the work assigned for the year.

The standing of each student in his class at the end of the session is based upon the general character of his work in the different labora-

tories and other practical exercises, upon the character of his recitations, upon the result of the mid-year examinations and upon the result of the examinations held at the end of the session.

Students who fail in not more than twenty-five per cent. of the work by subjects in the first, second, or third years, may be re-examined in these subjects at the regular examination period preceding the opening of the next session. The marks obtained in this re-examination are computed with the credits earned during the preceding session in exactly the same way as those obtained in the examination at the end of the session.

A student who, upon re-examination again fails, will not be advanced; provided, however, that if such failure be in a single subject which is not completed in that year, the student may, upon recommendation of the head of the department in which he failed, and by a vote of the Faculty, be advanced with a condition.

A student who is not present at an examination will be classed as having taken the examination and failed, unless excused from such examination by the Faculty.

Students who have failed to complete the course of any year satisfactorily, may be enrolled the following session to repeat the work of that year, but the faculty reserve the right to refuse reenrollment, if in their opinion the student is not fitted to continue the study of medicine.

A student who has been a member of any class for two sessions, and has failed to complete satisfactorily the work of that year, will not be enrolled again as a student of the college.

A student will not be permitted to become a member of the third-year class until he has removed all conditions of the first year; and a student will not be permitted to become a member of the fourth-year class until he has removed all conditions of the second year.

REQUIREMENTS FOR GRADUATION

Candidates for the degree of Doctor of Medicine must have reached the age of twenty-one years and must have presented satisfactory evidence of good moral character. All the requirements of this college in regard to preliminary education must have been met, and the candidate must have attended regularly and completed satisfactorily the prescribed work of four courses of instruction in Medicine of at least thirty-two weeks each.

Students will be required to serve one year as interne in some recognized hospital in addition to the four years of college.

All candidates for the degree of Doctor of Medicine must be present at Commencement unless excused by the Faculty.

OUTLINE OF THE FOUR YEARS' CURRICULUM

The curriculum has been arranged so that the study of the several branches of Medicine is taken up in a systematic way.

The student is taught first the general structure of the body, the functions of the various organs and the chemical processes taking place in the body; the minute structure of the tissues and organs in health, and the changes in structure caused by disease.

The student then is taught the various symptoms of disease and how to interpret them, the methods of investigating diseases and the remedies used in their treatment; the various surgical conditions, the indications for treatment or operation and the technique of each operation; reproduction and development, the diseases of pregnancy with their treatment and the management of labor.

Instruction is given by lectures, demonstrations, recitations, practical courses, laboratory work, clinics and clinical teaching at the bedside and in the dispensary.

The class is divided into small sections, so that each student receives the personal attention of the instructor in every course.

The work of the First Year includes the study of Anatomy, Physiology, Organic and Physiological Chemistry, Histology and Embryology.

The courses in Anatomy and Physiology have been graded to cover two years, the work of each year being practically complete in itself.

Laboratory courses are given in Anatomy (dissecting), Histology, Embryology, Physiology and Chemistry.

During the Second Year the study of Anatomy and Physiology is completed and regular work in Materia Medica and Pharmacology, General Pathology, Surgery and Medicine and Bacteriology is begun. Laboratory courses are given in Anatomy, Pathological Histology, Physiology and Bacteriology.

The work of the Third Year includes Surgery, Obstetrics, Special Pathology and the various special subjects of Medicine and Surgery.

Laboratory courses in applied Bacteriology and Clinical Microscopy are given and there are practical courses in Physical Diagnosis, Minor

Surgery, Bandaging, and Obstetrics with the manikin. The students attend the surgical and medical clinics, in which they are instructed in the methods of investigating disease, in properly interpreting the symptoms of disease, in the principles of differential diagnosis, and in the indications for treatment.

The Fourth Year is devoted largely to the study of diagnosis and the treatment of disease. Lectures, either didactic or clinical, are given on Medicine, Therapeutics, Obstetrics and Surgery. Students examine patients, make diagnoses, and outline treatment.

A practical course in Surgery is given, in which the student performs all the common operations upon the cadaver.

During this year the students are required to perform a number of autopsies under the instruction of the Professor of Pathology. The student also makes such microscopic study of the tissues removed as is of value in understanding the pathological history of the case.

POST-GRADUATE WORK

Post-graduate instruction is given every year without expense to physicians of the State who desire it. This instruction includes hospital clinics and lectures by specialists dealing with the diagnosis and treatment of various diseases, and is given on Fridays and Saturdays, so that a physician need not be absent long from his practice as is necessary when post-graduate work is done in the large cities.

DETAILS OF INSTRUCTION IN THE SEPARATE DEPARTMENTS OF STUDY

THE DEPARTMENT OF ANATOMY

THOMAS STEPHEN BROWN, M. D. *Thayer Professor of Anatomy*

HOVEY JORDAN, M. S., *Assistant Professor of Biology, Histology and Embryology.*

HARRY CADWALLADER FORTNER, A. M., *Assistant Professor of Histology and Biology.*

DAVID MARSH BOSWORTH, A. B., M. D., *Instructor in Anatomy*

I. Histology

II. Embryology

First Year. Histology.—(*First 22 weeks, 7 hours per week*) (154 hours).

a Lectures. Microscopic structure of normal human tissues and organs. *Twenty-two hours.*

b Recitations.

c Laboratory work. Study of the microscopic anatomy of the fundamental tissues and of the organs, mainly human material. Practice in the preparation of tissue for microscopic examination. *One hundred thirty-two hours.*

Embryology.—(*Last 10 weeks, 7 hours per week*) (70 hours).

a Lectures. Maturation. Fertilization. Cleavage. The development of tissues and organs. *Ten hours.*

b Recitations.

c Laboratory work.

Study of the general development of tissues and organs and of special topics which are of practical value. Microscopic examination of serial sections of embryos, and examination and dissection of whole embryos, animal and human, of various ages.

GROSS ANATOMY

THOMAS STEPHEN BROWN, M. D.....*Professor of Gross Anatomy*

DAVID MARSH BOSWORTH, A. B., M. D.....*Instructor in Gross Anatomy*

First and Second Year.—This course runs through two years, but most of the work is done in the first half of the first year.

a Lectures. *First year, 32 hours; second year, 32 hours.*

b Recitations. *First year, 16 hours; second year, 32 hours.*

c Laboratory work. *First year, 30½ hours; second year, 64 hours.*

1st year.—Osteology.—Dissection. Demonstration of specimens.

Each student is required to dissect one-half of the human body.

2nd year.—Anatomy of central nervous system, dissection and demonstration. Dissection of special regions. General review.

Applied Anatomy.—Third Year.—Lectures and demonstrations *Sixteen hours.*

Text-books—Piersol, Gray, Cunningham.

Practical Anatomy—Heisler's *Practical Anatomy*, Cunningham's *Practical Anatomy*.

Collateral Reading—Morris, Davis, Sabotta and McMurrich.

Embryology—Prentiss, McMurrich, Bailey and Miller, and Minot.

Histology—Schäfer, Piersol, Bailey, Stöhr, Huber.

THE DEPARTMENT OF PHYSIOLOGY

FRED KINNEY JACKSON, A. B., M. D.*Professor of Physiology.*

First and Second Years.—

a Recitations. *First year, 64 hours; second year, 64 hours.*

b Demonstrations and laboratory work. *First year, 96 hours; second year, 64 hours.* The course runs through two years.

Research Work.—Graduates in medicine and students with proper qualifications will be welcomed in the laboratory and afforded every opportunity to engage in advanced work.

Text-book—Howell's *Text-book of Physiology*.

Collateral reading—Stewart, Starling, Brubaker, Halliburton and the magazines.

THE DEPARTMENT OF CHEMISTRY

CHARLES FLAGG WHITNEY, M. S., M. D....*Professor of Toxicology and Physiological Chemistry.*

AMOS BUSH WILLMARTH, M. S.*Assistant Professor of Chemistry*

I. General Physiological Chemistry

(a) **Lecture Course.**—Two hours a week throughout the first year are given to lectures and recitations on physiological chemistry. *Sixty-four hours.*

(b) **Laboratory Course.**—The laboratory course occupies two two-hour periods a week throughout the year. *One hundred twenty-eight hours.*

The lectures, recitations and laboratory work are closely correlated and include such subjects as carbohydrates, fats, proteins, the various digestive processes, blood, muscle, bone, nervous tissue and urine.

The text-books now in use are Matthews' *Physiological Chemistry* and Hawk's *Practical Physiological Chemistry*.

THE DEPARTMENT OF PHARMACOLOGY

DAVID MARVIN, M. D....*Professor of Pharmacology and Materia Medica.*

Second Year.—

Lectures. *Thirty-two hours.*

Recitations. *Sixty-four hours.*

Laboratory. *One hundred twenty-eight hours.*

I. Materia Medica.—

Lectures and recitations throughout the year on drugs and the methods of administering them.

II. Prescription Writing.—

Recitations.—Practical exercises in writing prescriptions. Course extends through the year.

III. Pharmacy.—

Laboratory work.—Compounding prescriptions, manufacture and standardizing of official preparations, demonstration of incompatibilities.

IV. Toxicology.—

Laboratory work.—Detection of drugs in the urine. Effect of chemic antidotes on poisons. Effect of chemic corrosives and powerful irritants on human tissues.

V. Pharmacodynamics.—

Lectures and recitations through the second semester.

Laboratory work.—Experimental pharmacodynamics.

Research.—The laboratory will be open during the college year to advanced students or to those who wish to do original research work.

Text-books.—Bastedo, *Materia Medica, Pharmacology and Therapeutics*; Thornton, *Manual of Prescription Writing*; American Medical Association, *Useful Remedies*; Marvin, *Laboratory Guide in Pharmacy*.

Collateral Reading.—Cushney, *Pharmacology and Therapeutics*; Sollman, *Text-book of Pharmacology*; Hatcher and Sollman, *A Text-book of Materia Medica*; Potter, *Materia Medica, Pharmacy and Therapeutics*; U. S. Pharmacopoeia; U. S. Dispensatory; Arny, *Principles of Pharmacy*.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

ERNEST HIRAM BUTTLES, A. B., M. D., *Professor of Pathology and Bacteriology.*

FREDERICK ELLSWORTH CLARK, M. D. *Associate Professor of and Laboratory Instructor in Pathology.*

CHARLES FLAGG WHITNEY, M. S., M. D. *Instructor in Pathology.*

NATHAN RENWICK CALDWELL, M. D. *Instructor in Clinical Pathology.*

LOUIS PEASE HASTINGS, B. S., M. D. *Instructor in Pathology and Bacteriology.*

EDWARD DOUGLAS MCSWEENEY, A. B., M. D., *Instructor in Clinical Pathology.*

JOHN BOLDOSSE *Technician in Pathology and Histology*

I. Sophomore Year**General Pathology.—**

Demonstration.—One hour per week, 32 weeks. *Thirty-two hours.*

Recitations.—One hour per week, 32 weeks. *Thirty-two hours.*

Laboratory.—Four hours per week, 16 weeks. *Sixty-four hours.*

Six hours per week, 16 weeks. *Ninety-six hours, a total of two hundred twenty-four hours.*

Bacteriology.—

Demonstration.—One hour per week, 32 weeks. *Thirty-two hours.*

Recitation.—One hour per week, 32 weeks. *Thirty-two hours.*

Laboratory.—Six hours per week, 16 weeks. *Ninety-six hours, a total of one hundred sixty hours.*

Laboratory Pathology.—

In the work of Laboratory Pathology the students are taught to distinguish by microscopical characteristics the various degenerations, to differentiate new growths and to recognize deviations from the normal in the various organic lesions of disease. The microscopical specimens mounted and studied by each student illustrate the various topics of Pathology and are supplemented by special demonstrations, by charts, lantern slides, and micro-photographs.

Bacteriology.—

During the first semester of the second year two hours per week are assigned to Bacteriology. Usually one hour is used for recitation and one for lecture or demonstration, but a few periods are taken for laboratory work. This course is preparatory to the laboratory and recitation course of the second semester.

Laboratory.—

In the second semester of this year, six hours per week are devoted to the laboratory in addition to two hours of didactic work.

II. Junior Year

Systemic Pathology.—

Demonstrations and Recitations.—Two hours per week, 32 weeks. *Sixty-four hours.*

Clinical Pathology.—

Laboratory.—Seven hours per week, 16 weeks. *One hundred twelve hours, or a total of one hundred seventy-six hours.*

The course in Systemic Pathology consists of demonstrations and lectures, illustrated by gross specimens, charts, museum specimens, and autopsies.

This course has as its purpose, the practice of application of pathology to medicine, surgery and therapeutics, and is especially arranged to co-ordinate with the teachings given in these subjects.

Laboratory.—

The course in Clinical Pathology consists of six hours weekly of laboratory and one hour of recitation work during the first semester. The laboratory work takes up the study of blood and urine, normal and pathological, gastric contents, sputum, feces, exudates, transudates, cerebro-spinal fluid, etc. Several sessions are devoted to a review of the more common bacteriological methods of diagnosis.

Recitation.—

The recitation course parallels the work of the laboratory and is used to explain the value and limitations of the different examinations and the interpretation of results.

III. Senior Year

Hospital Clinical Laboratory.—Fourteen hours per week for four weeks (each student). *Fifty-six hours.*

Clinico-Pathological Conference.—One hour per week, 32 weeks. *Thirty-two hours.*

Autopsies.—Two hours each (average 30). *Sixty hours, or a total of one hundred forty-eight hours.*

The Clinical-Pathological laboratory course is a supervised course in practical application of the clinical laboratory methods taught in the preceding years to the study of cases in the hospitals. The students work in pairs in the laboratory, each student serving two weeks.

Clinico-Pathological Conference.—

Once each week the class meets to discuss some case which has been studied in the wards and which has come to the autopsy table if there are such cases available; otherwise some living case is discussed.

Autopsies.—

These autopsies are mostly held in the morgue at the hospitals and are attended by third and fourth year students.

Text books—Pathology, MacCallum, Stengel and Fox, Delafield and Prudden; Bacteriology, Hiss and Zinsser, Park and Williams; Clinical Pathology, Todd's *Manual*.

DEPARTMENT OF MEDICINE

CLARENCE HENRY BEECHER, M. D. *Professor of Medicine.*
HAROLD FRANKLIN TAYLOR, B. S., M. D., *Assistant Professor of Medicine.*
PAUL KENDRICK FRENCH, Ph. B., M. D. *Instructor in Medicine.*

Course runs through second, third and fourth years.

Second Year**Physical Diagnosis. (Normal.)**

(a) Recitations; (b) Examination of patients. Auscultation and percussion and other methods of examination. *Thirty-two hours.*

Third Year**Physical Diagnosis (continued). (Pathological.)**

Instruction given to class by sections. *Recitation, 32 hours; Clinics, 32 hours.*

Lectures and Recitations.—

General Medicine and special branches, Neurology, Mental Diseases, Pediatrics, Tropical Medicine, Hygiene, Medical Jurisprudence, Toxicology. *One hundred ninety-two hours.*

**History Recording and Symptomatology.—
Clinics.**

Elementary.

Dispensary Work.—

In sections last semester.

Fourth Year**Lectures.—**

Selected subjects. *Sixty-four hours.*

Case History Discussions.**Clinics.—**

Before whole class in amphitheatre of Mary Fletcher Hospital.

Ward Work.—

Sections of class in wards of Mary Fletcher and Fanny Allen Hospitals.

Conferences with Surgical Teachers and Pathologists.—

Laboratory work in Clinical Pathology.

Dispensary Work.—

In sections first semester.

Laboratory and Clinics. *Sixty-four hours.*Medicine—Stevens' *Practice of Medicine*; Physical Diagnosis—Cabot's *Physical Diagnosis*.**THE DEPARTMENT OF THERAPEUTICS AND CLINICAL MEDICINE**JAMES NATHANIEL JENNE, M. D. *Professor of Therapeutics and Clinical Medicine.*HAROLD FRANKLIN TAYLOR, B. S. M. D. .. *Instructor in Clinical Medicine.*PAUL KENDRICK FRENCH, Ph. B., M. D., *Instructor in Clinical Medicine.***Third and Fourth Years**

The subject of Therapeutics is taught during the students' Junior year, a systematic didactic course is given embracing general and special Therapeutics and Dietetics. *Sixty-four hours.*

The clinical course consists of daily exercises at the clinics in the wards of the hospitals and in the dispensary and extends throughout the Senior year.

Text-books—Hare's *System*. (3 Vols.), Hare (1 Vol.).**THE DEPARTMENT OF SURGERY****I. Surgery**JOHN BROOKS WHEELER, Sc. D., A. B., M. D. *Professor Emeritus of Surgery.*LYMAN ALLEN, M. S., A. B., M. D. *Professor of Surgery.*BENJAMIN DYER ADAMS, M. D. *Instructor in Surgery.*ROBERT LELAND MAYNARD, M. D. *Instructor in Surgery and Orthopedic Surgery.*JOHN HAZEN DODDS, M. D. *Assistant in Clinical Surgery and Instructor in Anesthetization.*

Second Year**Recitations.—**

Principles of surgery. *Sixty-four hours.*

Practical Surgery.—

Bandaging, use of splints and other surgical appliances.

Work with plaster of Paris. Taught in sections. *Twenty hours.*

Third Year**Recitations and Lectures.—**

General and regional surgery. *Ninety-six hours.* Fractures and dislocations. *Thirty-two hours.*

Clinics.—

Besides the section work already mentioned, third-year students attend two amphitheatre clinics each week. *Sixty-four hours.*

Fourth Year**Lectures.—**

Regional surgery. *Sixty-four hours.*

Minor Surgery.—

Fractures and dislocations and minor surgery.

Taught in sections in wards and in amphitheatre clinics.

Clinics.—

One amphitheatre clinic is held every week by the Professor of Surgery, in which dressings are done and cases are shown and discussed. Operations by the Professors of Surgery and Clinical Surgery are done each day in the smaller operating rooms before sections of the class.

Anesthetization.—

Practical instruction. Each student required to anesthetize several patients under direction of the Instructor in Anesthetization.

Text-books—*General and Regional*, DaCosta, Ashurst, Keen; *Operative*, Binnie; *Fractures and Dislocations*, Scudder, Cotton, Stimson.

II. CLINICAL SURGERY

HENRY CRAIN TINKHAM, M. S., M. D. *Professor of Clinical Surgery.*
 LYMAN ALLEN, M. S., M. D. *Instructor in Clinical Surgery.*
 CLIFFORD ATHERTON PEASE, M. D. *Instructor in Clinical Surgery.*
 GEORGE MILLAR SABIN, B. S., M. D. *Instructor in Clinical Surgery.*
 BENJAMIN DYER ADAMS, M. D. *Instructor in Clinical Surgery.*

Instruction in Clinical Surgery is given during the third and fourth years.

Third Year

One hour weekly for half year, on Surgical Anatomy.

One hour weekly for entire year on Clinical Surgery.

This arrangement, combining surgical anatomy with clinical surgery, is admirably adapted to emphasize the importance of a good knowledge of anatomy as a fundamental factor in diagnosis. History-taking is an important part of this course, case histories being studied and students taught how to analyze and evaluate symptoms. Methods of examining patients are demonstrated, the various instruments are shown and their uses explained. Operations are done to demonstrate surgical technique.

Fourth Year

Two hours daily throughout the year.

The class is divided into groups of four students each. These groups are assigned to the various parts of the regular hospital work as hospital clerks. Their work is done under the supervision of an instructor.

This is a rotating service, so that each student is on duty in each of the various departments at some time during the year.

This service includes history-taking of all hospital cases, discussion of cases requiring surgical treatment, surgical technique in the operating room, demonstration and study of pathological specimens from operations done, and observation of post-operative care and dressings. Students thus observe patients from the time they enter the hospital until they are discharged. They make daily visits to cases following operation, and are required to make record of the progress of the case, suggest treatment, etc. All of this work is done under the supervision of an instructor.

Text-books—*Surgical Anatomy*, Campbell; *Surgical Diagnosis*, Martin; *Diagnostic and Therapeutic Technic*, Morrow; *Preparatory and After Treatment*, Hanbold, Bartlett.

THE DEPARTMENT OF OBSTETRICS

PATRICK EUGENE MCSWEENEY, M. S., M. D.	<i>Professor of Obstetrics and Gynecology.</i>
OLIVER NEWELL EASTMAN, M. D.	<i>Associate Professor of Obstetrics.</i>
HERBERT ASHLEY DUFEE, A. B., M. D.	<i>Instructor in Obstetrics.</i>

Third Year

Lectures and Recitations.—

Anatomy of female pelvis and reproductive organs. Ovulation, menstruation, pregnancy, normal labor and its management. *Sixty-four hours.*

Practical Obstetrics.—

Abdominal palpation and auscultation. Pelvimetry. Operative Obstetrics. Demonstration of mechanism of labor. *Twenty hours.*

Fourth Year

Lectures and Demonstrations.—

Abnormalities and complications of labor. *Sixty-four hours.*

Practical Obstetrics.—

Students attend cases of labor under supervision of a clinical instructor.

Text-books—Williams' *Obstetrics*, Hirst's *Obstetrics*, Edgar's *Obstetrics*, DeLee.

THE DEPARTMENT OF HYGIENE

CHARLES FRANCIS DALTON, M. D.	<i>Professor of Hygiene and Preventive Medicine.</i>
CHARLES PERKINS MOAT, B. S.	<i>Instructor in Chemistry of Foods, Milk, Drugs and Water.</i>

Second Year

Lectures and Demonstrations.—

General sanitation, ventilation, water and milk supplies, sewage and water purification, vital statistics. *Thirty-two hours.*

Third Year**Lectures and Demonstrations.—**

Epidemiology, diagnosis and control of communicable diseases and other problems of preventive medicine. *Thirty-two hours.*

SPECIAL SUBJECTS**GYNECOLOGY**

PATRICK EUGENE MCSWEENEY, M. D. *Professor of Gynecology.*

GEORGE MILLAR SABIN, B. S., M. D. *Instructor in Gynecology.*

Third Year.—

Lectures and recitations. *Sixty-four hours.*

Fourth Year.—

Clinics, in hospital amphitheatre, one hour each week. Practical demonstrations of radium therapy. Section work in wards.

History taking, examination, diagnosis, treatment. Complete history of each case required. *Thirty-two hours.*

There are two hours of clinic each week where the various operations in Gynecology are performed. Especial attention is given to the consideration of lacerations, the influence these have on the pelvic viscera, the reflex symptoms caused, and the principles involved in their proper repair.

Text-books—Graves' *Gynecology*; Hirst's *Text-book on Diseases of Women*; Polac's *Manual of Gynecology*; Penrose, Montgomery Crossen, Garrigue and Ashton.

NEUROLOGY

FREDERIC WILLIAM SEARS, A. B., M. D. *Professor of Neurology.*

KENNETH JAMES TILLOTSON, M. D. *Instructor in Neurology.*

Third Year.—

Lectures and recitations. *Sixty-four hours.*

Fourth Year.—

Clinics once a week through year. *Thirty-two hours.*

Text-books—Dana, Tilney, White and Jelliffe.

MENTAL DISEASES

.....*Professor of Mental Diseases.*
 JAMES C. O'NEIL, M. D.*Assistant Professor of Mental Diseases.*

Fourth Year

Lectures.—Normal Psychology, Applied Eugenics, Symptomatology, Clinics at State Hospital for Insane. Classification of Mental Diseases. Commitment of insane. *Thirty-two hours.*
Text-books—Church and Peterson, Allen.

PEDIATRICS

CHARLES KIMBALL JOHNSON, M. D.*Professor of Pediatrics.*

Third Year.—

Thirty-two hours.

This includes text-book recitations and discussions on the normal infant, diseases, and infant feeding.

Fourth Year.—

Three hours weekly throughout the year.

Weekly clinic before whole class in amphitheatre at Mary Fletcher Hospital.

Section work at the dispensary, hospital wards and at The Babies' Nursery where excellent opportunity is provided for practical work in infant feeding.

Case history discussions.

Current literature discussions.

Text-books—Holt's *Diseases of Children*; Dennett's *Infant Feeding*.

DISEASES OF THE EYE, EAR, NOSE AND THROAT

EDMUND TOWLE BROWN, M. D.*Professor of Diseases of Eye, Ear, Nose and Throat.*

EMMUS GEORGE TWITCHELL, A. B., M. D., *Instructor in Diseases of Eye, Ear, Nose and Throat.*

Third Year.—

Lectures and recitations. *Sixty-four hours.*

Fourth Year.—

Clinics. Two each week during first semester. *Sixty-four hours.*

Text-books. *Eye*, May, De Schweinitz; *Ear*, Gleason, Phillips.

GENITO-URINARY DISEASES

WILLIAM WARREN TOWNSEND, M. D....*Professor of Genito-Urinary Diseases.*

SIDNEY LEON MORRISON, M. D.....*Instructor in Genito-Urinary Diseases.*

SETH HUSTIS MARTIN, M. D.....*Instructor in Genito-Urinary Diseases.*

CHARLES ARTHUR RAVEY, M. D.....*Instructor in Venereal Diseases.*
Fourth Year.—

Lectures and recitations on genito-urinary diseases and dispensary work. Clinics once a week; ward work and dispensary work throughout the year. *Thirty-two hours.*

Text-books—Morton, Watson and Cunningham, and Keyes.

DERMATOLOGY

CHARLES MALLORY WILLIAMS, Ph. B., M. D.*Professor of Dermatology.*

Third Year.—

Lectures, recitations and demonstrations. *Sixteen hours.*

Fourth Year.—

Lectures with projectoscope illustrations. Clinics. Demonstrations of all the more common skin diseases. Each case is examined by a group of four members, who then report to the class their findings with recommendations for treatment, and this report is discussed by the class under the direction of the Professor. *Sixty-eight hours.*

Text-books—Stelwagon, Sutton, Schamberg, Morris and Walker Thompson (Syphilis), Jackson (Hair and Scalp), Sequeira.

ORTHOPEDIC SURGERY

FRED HOUDLETTE ALBEE, Sc. D., M. D.*Professor of Orthopedic Surgery.*

ROBERT LELAND MAYNARD, M. D.*Assistant Professor of Orthopedic Surgery.*

Third Year.—

Lectures and recitations. *Sixteen hours.*

Fourth Year.—

Clinics, hospital amphitheatre. Operations and mechanical treatment of deformities. Motor saw technique. *Thirty-six hours.*
Text-book—Albee's *Orthopedic and Reconstruction Surgery.*

MEDICAL JURISPRUDENCE

EDMUND CURTIS MOWER, A. M., LL. B. *Professor of Medical Jurisprudence.*

Lectures.—

Right to practice, contractual relations between physician and patient, the law of malpractice, legal aspects of the physician's duties under public health laws, autopsies and reports thereon, medico-legal aspects of certain crimes, expert testimony, insanity, judicial toxicological investigations. *Twenty hours.*

TOXICOLOGY

CHARLES FLAGG WHITNEY, M. S., M. D. *Professor of Toxicology and Physiological Chemistry.*

The course consists of lectures and recitations one hour a week for one-half year during the first semester of the fourth year. The time is divided about equally between General Toxicology and Special Toxicology in which each important poison is studied in reference to its origin, effect on the body, detection, etc. *Sixteen hours.*

MEDICO-MILITARY SCIENCE

ARTHUR O. DAVIS, M. D., Major Med. Corps, U. S. A.

Professor of Medico-Military Science

Lectures.—The Lectures are divided into two courses, each course consisting of two series of thirty lectures each and covering a period of two years. Instruction is graded and conforms to the outline laid down for medical units of the Reserve Officers Training Corps.

Course 1.—For first and second year students.

Course 2.—For third and fourth year students.

The period required for lectures on the schedule is one hour per week.

TROPICAL MEDICINE

ARTHUR O. DAVIS, M. D., Major Med. Corps, U. S. A.

Professor of Tropical Medicine

Lectures.—During the session of 1924-25, a course of lectures on Tropical Medicine covering sixteen hours will be given, supplemented by microscopic slides and pathological specimens from the College Laboratory and the Army Medical Museum, Washington, D. C.

Reference book—Manson's *Tropical Diseases*.

MEDICAL CORPS UNIT OF THE RESERVE OFFICERS' TRAINING CORPS

A Medical Corps Unit of the Reserve Officers' Training Corps has been established in connection with the Medical College of the University of Vermont. This course is required of first year and second year medical students. This unit is established by authority of the War Department and the instruction given in connection with it follows the schedules prepared by the Surgeon General of the Army. The actual instruction is given by an officer of the Medical Corps of the United States Army and consists of lectures. Text books are not required and all necessary reference books will be found in the library of the College of Medicine. There is no drill conducted in connection with this instruction and no uniforms are required except when students are attending summer camp, when they are furnished by the Government.

The course as laid out by the War Department covers the period of four years. The work is progressive. Instruction in the Basic Course is given to Freshmen and Sophomores and in the Advanced Course to the Juniors and Seniors. Students who successfully complete the Basic Course are eligible for enrollment in the Advanced Course which offers the student the opportunity of completing his military medical training. While pursuing the Advanced Course the student receives in actual cash the value of the army ration which varies from year to year. The last year the value of the ration was thirty cents per day. This ration money is paid for all days of the year while a member of the Advanced Course, except at summer camp, when the student is paid one dollar per day during such attendance.

As a final reward to students successfully completing the Advanced Course, they are presented commissions in the Officers' Reserve Corps of the United States Army with the grade of First Lieutenant. The greatest value in pursuing the R. O. T. C. Course to a successful completion is the qualification of medical students for commissions in the Medical Department of the United States Army and for actual duty that they might be called upon to perform in time of a national emergency. The course of instruction naturally includes the treatment of many subjects that would be of great value in the ordinary practice of medicine as a civilian.

Students who enroll in the Advanced Course are required to attend one summer camp, not to exceed six weeks in duration, at which instruction of a practical nature is given, such as they would be called upon to perform if actually called to active service as a Reserve Officer in time of a national emergency. The Government pays the travelling expenses to and from the summer camps, furnishes uniforms free of charge, furnishes subsistence and pays students at the rate of one dollar a day while actually attending camp. Students pursuing the Basic Course are not required to attend summer camp but are authorized to do so if they so desire. Students electing to attend the Basic Camp receive the same emoluments from the Government as those attending the Advanced Course Camp, except that they are not paid the one dollar a day while in actual attendance at camp.

REGISTER, 1923-1924

FOURTH YEAR

Class of 1924

John Raymond Andrews	Burlington	16 Front St.
John Wilbur Armstrong, A. B.	Middle Falls, N. Y.	19 Kingsland Ter.
Donato Antonio Astone	Burlington	55 Loomis St.
John Matthew Bachelus	New Britain, Conn.	39 Buell St.
Rosary Henry Bisson	Barre	Fanny Allen Hospital
Lewis Woodbridge Brown, A. B.	Skowhegan, Me.	10 Isham St.
George Walter Caldwell	Burlington	66 S. Union St.
Carl Clarence Chase	Bennington	111 Loomis St.
George Rosario Cusson	Lyndonville	111 Loomis St.
George Breed Davis, B. S.	Stafford Springs, Conn.	60 N. Willard St.
Gerard Charles de Grandpre, A. B.	Plattsburg, N. Y.	25 Mansfield Ave.
Paul DeNicola	Pawtucket, R. I.	25 Mansfield Ave.
Hyman Maurice Glasston	Burlington	46 Bright St.
David Goldberg	New York, N. Y.	116 N. Winooski Ave.
Louis Edward Goldberg	Portland, Me.	69 Greene St.
Charles Henry Goyette	Burlington	205 Church St.
Jack Ward Gray, A. B.	New York, N. Y.	46 S. Converse Hall
Frank Oscar King, A. B.	Portland, Me.	44 Booth St.
Elton Walton Lance	Plainfield	349 Pearl St.
Dorothy Mary Lang	Cambridge	342 Pearl St.
Arthur Byron Lawrence	Burlington	392 North St.
James Pratt Marr	Williamstown	10 Isham St.
Dennis Martin O'Brien	Burlington	112 Loomis St.
John Clark O'Brien	W. Granville, N. Y.	84 N. Willard St.
Walford Tupper Rees	Nashua, N. H.	439 Pearl St.
Evans Franklin Sealand	Portsmouth, N. H.	60 N. Willard St.
Oney Percy Smith	Concord, N. H.	Sigma Nu Lodge
Dennis Bernard Sullivan	Winthrop, N. Y.	16 Booth St.
Daniel Francis Sullivan	Hartford, Conn.	84 N. Willard St.
Linwood Austin Sweatt	Phillips, Me.	40 Walnut St.
Abraham David Teitelbaum	Bronx, N. Y.	39 Buell St.
William Graves Townsend, B. S.	Burlington	Hotel Vermont
Francis Van Vechten Wethey, A. B.	Burlington	88 N. Willard St.
Dean Anthony Wry	St. Albans	64 N. Winooski Ave.

THIRD YEAR

Class of 1925

John Goldthwaite Adams	West Haven	292 S. Union St.
Paul Ernest Anderson, B. S.	Rutland	94 Loomis St.
John Cordes Armstrong	Bennington	83 Hungerford St.
Eric Henry Blank	Pike, N. H.	8 S. Willard St.
Norman Keeler Bonney	New Bedford, Mass.	88 Buell St.
Harry Butler, A. B.	Bangor, Me.	69 N. Prospect St.
Samuel Cominsky, B. S.	Manchester Depot	276 North St.
Roy Edward Corley, A. B.	Burlington	114 N. Willard St.
Norman William Crisp, B. S.	Needham Heights, Mass.	404 Pearl St.
Irving Marsh Derby, B. S.	Burlington	250 Shelburne Road
Jerome James Driscoll	Norwich, Conn.	72 Buell St.
Mark Donald Duby	Syracuse, N. Y.	16 Booth St.
George Kingsley Fenn	Burlington	346 S. Union St.

Anthony William Ferrara

Raymond Richard Grasso
 Maurice Ervin Hodgdon
 Everett Beeman Holmes
 Harold Albert Johnson
 Dewey Katz, B. S.
 Harley Walter Kidder
 Naomi Delia Lanou
 Roland Ernest McSweeney, B. S.
 Abraham Montague Margolski
 Martin Matthew Meehan
 Bernard Litchfield Mills
 Herman Andrew Morrill
 Carroll Raymond Murch
 Charles Elbert Niles, B. S.
 John Thomas O'Brien
 James Patrick O'Brien, B. S.
 Francis Edward O'Connor, B. S.
 Clarence Ralph Pearson
 Arthur Quito Penta
 James Everett Phelps
 John Russell Randolph
 Peter Joseph Shamhoon
 Morris Smith
 Wilson Carroll Swasey
 Luther Allen Tarbell
 Herbert Ellsworth Tomlinson, B. S.
 Robert Percy Williams
 Orlin Vincent Wry

Long Island City, N. Y.

Newark, N. J. 69 Greene St.
 Franklyn, N. H. 125 St. Paul St.
 Waterbury 53 School St.
 Naugatuck, Conn. 165 Loomis St.
 Burlington 88 Buell St.
 Barre 185 Bank St.
 Burlington 276 North St.
 St. Johnsbury 110 Archibald St.
 Revere, Mass. 76 N. Winooski Ave.
 Burlington 73 Buell St.
 Montpelier 83 Brookes Ave.
 Pike, N. H. 8 S. Willard St.
 Putney 80 N. Willard St.
 Brandon 125 St. Paul St.
 Burlington 112 Loomis St.
 Woonsocket, R. I. 53 School St.
 Burlington 20 Booth St.
 Winthrop, N. Y. 83 Brookes Ave.
 Rutland 404 Pearl St.
 Marshfield 88 N. Willard St.
 Pittsburgh, Penn. 45 S. Converse Hall
 Burlington 306 S. Union St.
 Brunswick, Me. 276 North St.
 Waterbury 272 Church St.
 Burlington 38 Russell St.
 Burlington 82 Hungerford St.
 Rutland 349 Pearl St.
 St. Albans 112 Loomis St.

SECOND YEAR

Class of 1926

John Leonard Bohon
 Paul Hemingway Brown
 Jeremiah Lawrence Buckley
 Bertha Alice Chase
 Anchise Anthony Cirillo
 Donald Miller Clark
 Paul Dennison Clark
 Raymond Kellogg Farnham, A. B.
 Frank Lawrence Fletcher
 Estelle Julia Foote, A. B.
 Weston Chadwick Hammond
 Simeon Lewis Hebert
 Aymer Morgan Hill
 John Brennan Horner, B. S.
 Charles Coniff Joyce
 Francis Joseph McEvoy
 Horace Page Marvin, B. S.
 Richard Sargent O'Connell, A. B.
 Stanley Carroll Pettit
 Robert Frank Rich, Ph. B.
 Charles Theodore Schechtman
 Roland Leonard Smith
 Walton Bruce Smith
 Edgar Francis Stone

Churubusco, N. Y. 239 Pearl St.
 E. Haven, Conn. 43 N. Willard St.
 Saranac Lake, N. Y. 239 Pearl St.
 Burlington 262 Pearl St.
 Troy, N. Y. 76 N. Winooski Ave.
 Rutland 83 N. Union St.
 Woodstock 88 College St.
 Shoreham 239 Pearl St.
 Burlington Mary Fletcher Hospital
 Middlebury Angell Hall
 Rutland Phi Delta Theta House
 Rochester, N. H. 119 Buell St.
 Winooski 33 E. Allen St., Winooski
 W. Pawlet 43 N. Willard St.
 Proctor M. Converse Hall
 Belloves Falls 23 George St.
 Essex Junction Essex Junction
 Middlebury 130 Loomis St.
 Underhill Converse Hall
 Burlington 88 S. Union St.
 New Britain, Conn. 69 Greene St.
 Holyoke, Mass. 119 Buell St.
 Manchester, N. H. 32 S. Converse Hall
 Los Angeles, Calif. 55 Hickok Place

COLLEGE OF MEDICINE

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FIRST YEAR

Class of 1927

Eloise Helen Bailey
Orpheus Joseph Bizzozero
John Boardman
Leslie Arthur Burns
Robert Johnson Catlin
William Louis Deignan
Leonard D'Orlando
Warren William Fahey
Carlos Eugene Fallon
Harry Cadwallader Fortner
Erald Fairbanks Foster
Auxilien Clement J. Gervais
Ralph Augustus Getchell
Glendon Boyce Goddard
Alan Oakes Godfrey
Wilbur Merriam Judd
Harold Myer Levin
Phillip Taylor McGreevey
George Michael Malouf
Harold Augustus Pooler
Doris May Sidwell
Ralph Gunner Streeter
William Alexander Tyler
Warren Langdon Whitten

Graniteville 72 Buell St.
Barre 88 Buell St.
Stowe 354 S. Union St.
Westminster, Mass. 88 Buell St.
Swanton 83 Brookes Ave.
Orange, N. J. 83 N. Union St.
Revere, Mass. 21 Nash Place
Sharon, Conn. 29 School St.
Peru, N. Y. 80 N. Willard St.
Burlington 343 S. Prospect St.
Lyndonville 21 Orchard Ter.
Burlington 73 Elmwood Ave.
Portland, Me. Sigma Nu Lodge
Morrisville 155 Loomis St.
Burlington 33 Brookes Ave.
Enosburg Falls 75 Loomis St.
Burlington 205 N. Willard St.
Burlington 119 Buell St.
Ashland, N. H. 21 S. Converse Hall
Skowhegan, Me. Converse Hall
W. Hartford, Conn. Angell Hall
Burlington 76 N. Willard St.
Canton, N. Y. 83 Brookes Ave.
Malone, N. Y. 12 Brookes Ave.

GRADUATES, ACADEMIC YEAR 1922-1923

DOCTORS OF MEDICINE

Ruel Lawrence Alden, *cum laude*Proctor
Roger Norris Blake, B. S.Burlington
Charles Franklin BranchBurlington
Sherburne CampbellLyndonville
Albert Edward Bruce ColebyNassau, Bahama Islands
Joseph Francis DuellBurlington
Kumjian DurandBurlington
Herman Lorenzo Emidy, *cum laude*Woonsocket, R. I.
Ulysses Maurice FrankBurlington
Paul Kendrick French, Ph. B.Orleans
Louis Pease Hastings, B. S., *cum laude*Springfield, Mass.
Joseph Joel HeymanPassaic, N. J.
Reginald Lindsey HillChelsea
Charles Finning Keeley, A. B.Nashua, N. H.
Frank James LawlissS. Barre
David Gladstone Morris, A. B.Miami, Fla.
Chesley Wilbur Nelson, A. B.Burlington
John Emmet O'Brien, A. B.Burlington
Clarence Dexter Pierce, Jr., Ph. B., *cum laude*Orleans
Herman Bertrand RingPassaic, N. J.
Wilhelm Renold Schillhammer, *cum laude*Burlington
Dorrance Ellsworth Sheffield, A. B.Mooers, N. Y.
Chrysaphes John XaphesThasos, Greece

HONOR MEN

Herman Lorenzo Emidy
Louis Pease Hastings, B. S.
Wilhelm Renold Schillhammer
Ruel Lawrence Alden
Clarence Dexter Pierce, Jr., Ph. B.

PRIZES FOR SPECIAL MERIT IN MEDICINE

First Prize—Herman Lorenzo Emdy*Second Prize*—Louis Pease Hastings, B. S.WOODBURY PRIZE FOR GREATEST PROFICIENCY IN CLINICAL
WORK

Ruel Lawrence Alden

ZOOLOGY MEDAL

(Awarded annually to the student having the highest average in Pre-Medical Zoology)

Garfield Gerard Defoe, Peru, N. Y.

HONORABLE MENTION

Charles D. Brown, Marshfield

MEDICAL FRATERNITIES AND SOCIETIES

Delta Mu

Corner Winooski Ave. and Main St.

(Local, Founded 1880)

Alpha Chapter of Phi Chi Metropolitan Life Building, 176 Main St.

(Founded at University of Vermont, 1889)

Delta Chapter, Alpha Kappa Kappa

Y. M. C. A. Building

Alpha Gamma Sigma

(For Women, Founded at University of Vermont, 1924)

Cap and Skull

(Senior Medical Society, Founded 1910)

Premedic Club

(Eligible for students in the College of Arts and Sciences who are preparing to study medicine)

OFFICERS OF THE U. V. M. MEDICAL ALUMNI ASSO-
CIATION, 1923-1924*President*—Dr. G. D. Marshall, '93, Rutland, Vt.*Vice-Presidents*—Dr. A. M. Goddard, '97, Morrisville, Vt.; Dr. L. C. Holcombe, '94, Milton, Vt.; Dr. B. F. Andrews, '17, Jeffersonville, Vt.; Dr. A. O. Morton, '99, St. Albans, Vt.; Dr. W. M. Huntington, '12, Rochester, Vt.; Dr. L. P. Hastings, '23, Springfield, Mass.

Executive Committee—Dr. N. R. Caldwell, '14, Burlington, Vt.; Dr. A. S. C. Hill, '98, Winooski, Vt.; Dr. E. Douglas McSweeney, '22, Burlington, Vt.

Secretary-Treasurer—Dr. H. F. Taylor, '17, Burlington, Vt.

Obituary Committee—Dr. Chester M. Ferrin, '65, Burlington, Vt.; Dr. David Marvin, '00, Essex Junction, Vt.; Dr. John J. Derven, '06, Poultney, Vt.

VERMONT DEPARTMENT OF PUBLIC HEALTH

State Board of Health: F. Thomas Kidder, M. D., Woodstock, Chairman; William G. Ricker, M. D., St. Johnsbury; Edward J. Rogers, M. D., Pittsford; Charles F. Dalton, M. D., Secretary and Executive Officer, Burlington; C. F. Whitney, M. D., Director of Laboratory; J. W. Votey, C. E., Sanitary Engineer; C. P. Moat, B. S., Sanitary Chemist; H. W. Slocum, A. B., (Tuberculosis Division); W. L. Aycock, M. D., Poliomyelitis Research; Bertha E. Weisbrod, R. N., Poliomyelitis After-Care.

WORK OF THE STATE BOARD

The State Board of Health is responsible for the public health work of the State, including the control of communicable diseases, supervision of food and milk supplies, supervision of public water supplies, and sewage disposal, sanitation of school houses and public buildings, abatement of nuisances, educational work against tuberculosis, control of venereal diseases and registration of vital statistics. New and commodious offices have been provided in a building owned by the University of Vermont and adjacent to the College of Medicine.

It maintains the Laboratory of Hygiene at Burlington in the same building where its own work is done and employs a sanitary engineer and inspector.

The State Board of Health is intimately connected with the College of Medicine of the University, the President being a trustee of the University, and the Secretary, Professor of Hygiene, while the Director of the Laboratory of Hygiene, Doctor Whitney, is Professor of Toxicology, Assistant Professor of Physiological Chemistry and Instructor in Pathology, Dr. Charles A. Ravey, is Instructor in Venereal Diseases and C. P. Moat, Sanitary Chemist of the Board, is Instructor in Sanitary Chemistry in the College.